"APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001549130003-5 2017年(11·16年)2018年10日 1018年10日 1018年1018年10日 1018年10日 1018年1018年10日 1018年10日 1018年1018年10日 1018年10日 1018年1018年10日 1018年10日 1018年

SHESTERIKOVA, T. P.

USSR/Medicine - Physiology

Card

: 1/1

Authors

: Shesterikova, T. P., and Petrovich, Yu. A.

Title

Change in the kidney functions during disturbance of the natural light process

Periodical

Dokl. AN SSSR, 96, Ed. 4, 873 - 876, June 1954

Abstract

: Experimental data show, that a continuous disturbance of the natural light process affects the functional state of the kidneys and that the larger hemispheres of the brain are affected. Twelve references. Table, graphs.

Institution: The Scientific-Research Psychoneurological Institute, Odessa, Ukr-SSR

Presented by: Academician A. I. Abrikosov, April 2, 1954

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001549130003-5"

VISHNEVSKAYA, N.B.; GERASIMOV, N.I.; MALIKOVA, A.F.; PETROVICH, Yu.A.; SHESTERIKOVÁ, T.P.

> Influence of insulin on glycemic curves in neuroses. Trudy Gos. nauch-issl. psikhonevr. inst. no.20:237-241 '59. (MIRA 14:1)

1. Nauchno-issledovatel skiy psikhonevrologicheskiy institut, Odessa.

(NEUROSES) (INSULIN)

SHESTERIKOVA, T.P.; PUCHKOVSKAYA, Ye.L.

Peculiarities of protein and lipoid metabolism in patients with vascular diseases of the brain. Vrach. delo no.9:37-41 S '60. (MIRA 13:9)

1. Odesskiy nauchno-issledovatel skiy psikhonevrologicheskiy institut.

(HYPERTENSION) (PROTEIN METABOLISM)

(LIPID METABOLISM)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001549130003-5"

SHESTERINA, M.V.

A rare case of a foreign body in the bronchus. Sov.med. 20 no.9:
87-88 S '56.

(MLRA 9:11)

1. Iz laringologicheskogo otdeleniya (zav. - prof. A.N.Voznesenskiy)
Hoskovskogo oblastnogo nauchno-issledovatel'skogo tuberkuleznogo
institute (dir. S.A.Chesnokov)

(BRONGHI, foreign bodies
compl., prev.)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001549130003-5"

SHESTERINA, M.V.

Some functional indicators in tracheobronchoscopy of tuberculous patients. Vest.oto.-rin. 20 no.4:105 J1-Ag'58 (MIRA 11:7)

1. Iz bronkhologicheskogo otdeleniya (rukovoditel - prof. A.N. Voznesenskiy) Nauchno-issledovatel skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR.

(BRONCHOSCOPY)

(BLOOD PRESSURE)

的。 第一次,我们是我们的一个人,我们就是我们的一个人,我们就是我们的一个人,我们就是我们的一个人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们

SHESTERINA, M.V., nauchnyy sotridnik

Trentment of antibiotics, administration [with summary in French] Probl.tub. 36 no.2:55-61 '58 (MIRA 11:5)

1. Iz bronkho-laringologicheskogo otdeleniya (zav.-prof. A.N. Voznesenskiy) Gosudarstvennogo nauchno-issledovatel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR (dir. - kand.med. nauk V.F. Chernyshev)

(TUBERCULOSIS, PULMONARY, ther. antibiotics, intratracheo-bronchial infusion (Rus)) (ANTIBIOTICS, admin.

intrabronchial intratracheo-intrabronichial in pulm. & bronchial tuberc. (Rus))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001549130003-5"

SHESTERINA, M. V., Cand of med Sci - (diss) "Tuberculosis of the Trachea and Bronchial	0
(Clinic, Diagnosis, and Treatment) Tubes," Moscow, 1959, 16 pp, (Moscow Medical-Stomatological Institute)	
(KL, 2-60, 118)	
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Review of Russian periodical literature on tuberculosis published during 1958 and 1959. Probl. tub. 38 no.8:100-107 '60.

(MIRA 14:1)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR (dir. - V.F. Chernyshev, zam. dir. po nauchnoy chasti - prof. D.D. Aseyev). (BIBLIOGRAPHY-TUBERCULOSIS)

E SE SERRIA ANT TO THE TREE SERVE SE

SHESTERINA, M.V., mladshiy nauchnyy sotrudnik

Tracheobronchoscopic examination of patients with pulmonary tuberculosis. Kaz. med. zhur. no.5:17-20 S-0 '61. (MIRA 15:3)

1. Bronkholoringologicheskoye otdeleniye (zav. - prof. A.N. Voznesenskiy) Moskovskogo nauchno-issledovatel skogo instituta tuberkuleza Ministerstva zdravookhraneniya RSFSR.

(TUBERCULOSIS) (BRONCHOSCOPY) (TRACHEA—EXPLORATION)

SHESTERINA, M. V., kand. med. nauk

Tuberculosis of the trachea and bronchi in children. Probl. tub. no.2:32-42 62. (MIRA 15:2)

1. Iz bronkholorotdeleniya (zav. - prof. A. N. Voznesenskiy)
Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza
Ministerstva zdravookhraneniya RSFSR (dir. - kandidat meditsinskikh
nauk V. F. Chernyshev, zam. dir. po nauchnoy chasti - prof. D. D.
Aseyev)

(BRONCHI_TUBERCULOSIS) (TRACHEA_TUBERCULOSIS)

SHESTERINA, M.V., kand. med. nauk; NEMSADZE, M.N.

Comparative evaluation of the examination of lavage waters of the bronchi and the stomach for Mycobacterium tuberculosis. Probl. tuberk. 41 no.4:31-35 '63 (MIRA 17:2)

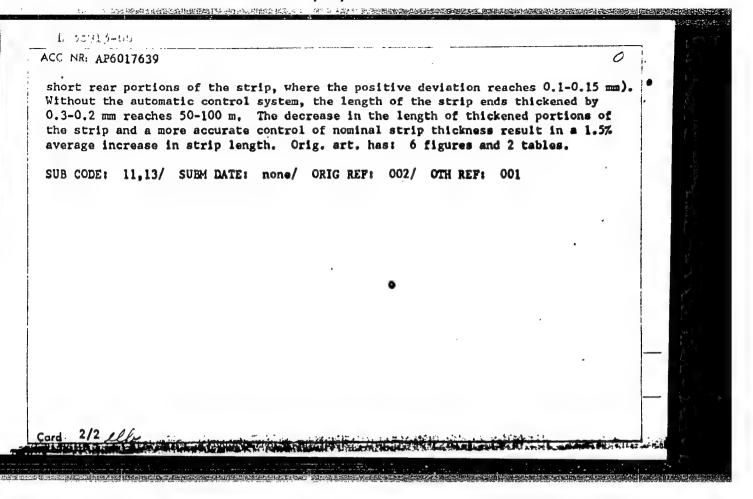
l. Iz bronkholaringologicheskogo otdeleniya (rukovoditel' prof. A.N. Voznesenskiy) i iz kliniko-diagnostichesnkoy labo - ratorii (rukovoditel' - kand. med. nauk T.N. Yashchenko) Moskovskogo nauc'mo-issledovatel'skogo instituta tuberkule za (dir. - kand. med. nauk T.P. Mochalova, zamestitel' direktora po nauchmoy chasti - prof. D.D. Aseyev) Ministerstva zdravo-okhraneniya RSFSR.

SHESTERINA, M.V., kand.med.nauk

Clinical aspects of pulmonary tuberculosis in patients with tuberculosis of the bronchi. Probl. tub. 41 no.11:42-46 '63. (MIRA 17:9)

1. Iz bronkholaringologicheskogo otdeleniya (zav. - prof. A.N. Voznesenskiy) Moskovskogo nauchno-issledovatel'skogo instituta tuberkuleza (dir. - kand. med.nauk T.P.Mochalova, zam. dir. po nauchnoy chasti - prof. D.D.Aseyev) Ministerstva zdravookhraneniya RSFSR.

AUTHOR: Dobronravov, D. N.; Lyambakh, R. V.; Stupnikov, E. G.; Shishkinskiy, V. I.; Burdin, V. M.; Kuzalevskiy, Q. G.; Yevdokimov, A. S.; Yegorov, Ye. P.; Leont'yav, S. A.; Shesterkin, A. G.; Khusid, S. Ye. ORG: Central Automation Laboratory (Tsentral'naya laboratoriya avtomatiki); TSNIIChM; Magnitogorsk Metallurgurical Combine (Magnitogorskiy metallurgicheskiy kombinat) TITLE: Experimental operation of an automatic system for controlling strip thickness on the 2500 continuous sheet mill SOURCE: Stal', no. 1, 1966, 50-55 TOPIC TAGS: hot rolling, automatic control equipment, Acc. ABSTRACT: An automatic control system was developed for regulating the thickness of steel strip, consisting of regulators of the gaps between the work rolls, and of a system stabilizing the tension of the strip between the stands. The automatic control system yielded satisfactory performance data on the 2500 continuous hot-rolling mill, and for the majority of the strip profiles studied, decreased the longitudinal variation in thickness and maintained a more accurate nominal strip thickness than had been possible before. In the presence of the automatic control system, the strips are rolled with deviations of no more than 10.05 mm (with the exception of Card 1/2 UDC: 621.771.23:65.011.56	L. 73 1- 307(4)/(W)/(W)/(W)/(W)/(W)/(W)/(W)/(W)/(W)/(W	
kombinat) TITLE: Experimental operation of an automatic system for controlling strip thickness on the 2500 continuous sheet mill SOURCE: Stal', no. 1, 1966, 50-55 TOPIC TAGS: hot rolling, automatic control equipment, Accid ABSTRACT: An automatic control system was developed for regulating the thickness of steel strip, consisting of regulators of the gaps between the work rolls, and of a system stabilizing the tension of the strip between the stands. The automatic control system yielded satisfactory performance data on the 2500 continuous hot-rolling mill, and for the majority of the strip profiles studied, decreased the longitudinal variation in thickness and maintained a more accurate nominal strip thickness than had been possible before. In the presence of the automatic control system, the strips are rolled with deviations of no more than ±0.05 mm (with the exception of	AUTHOR: Dobronravov, D. N.; Lyambakh, R. V.; Stupnikov, E. G.; Shishkinskiy, V. I.; Burdin, V. M.; Muzalevskiy, O. G.; Yevdokimov, A. S.; Yegorov, Ye. P.; Leont yev, S. A.; Shesterkin, A. G.; Khusid, S. Ye.	
on the 2500 continuous sheet mill SOURCE: Stal*, no. 1, 1966, 50-55 TOPIC TAGS: hot rolling, automatic control equipment, Atach ABSTRACT: An automatic control system was developed for regulating the thickness of steel strip, consisting of regulators of the gaps between the work rolls, and of a system stabilizing the tension of the strip between the stands. The automatic control system yielded satisfactory performance data on the 2500 continuous hot-rolling mill, and for the majority of the strip profiles studied, decreased the longitudinal variation in thickness and maintained a more accurate nominal strip thickness than had been possible before. In the presence of the automatic control system, the strips are rolled with deviations of no more than ±0.05 mm (with the exception of	TsNIIChM; Magnitogorsk Metallurgurical Combine (Magnitogorskiy metallurgurical combine)	
ABSTRACT: An automatic control system was developed for regulating the thickness of steel strip, consisting of regulators of the gaps between the work rolls, and of a system stabilizing the tension of the strip between the stands. The automatic control system yielded satisfactory performance data on the 2500 continuous hot-rolling mill, and for the majority of the strip profiles studied, decreased the longitudinal variation in thickness and maintained a more accurate nominal strip thickness than had been possible before. In the presence of the automatic control system, the strips are rolled with deviations of no more than ±0.05 mm (with the exception of	TITLE: Experimental operation of an automatic system for controlling strip thickness on the 2500 continuous sheet mill	
steel strip, consisting of regulators of the gaps between the stands. The automatic consystem stabilizing the tension of the strip between the stands. The automatic control system yielded satisfactory performance data on the 2500 continuous hot-rolling mill, and for the majority of the strip profiles studied, decreased the longitudinal variation in thickness and maintained a more accurate nominal strip thickness than had been possible before. In the presence of the automatic control system, the strips are rolled with deviations of no more than ±0.05 mm (with the exception of	TOPIC TAGS: hot rolling, automatic control equipment, stell	
Card 1/2 UDC: 621.771.23:65.011.56	steel strip, consisting of regulators of the gaps between the stands. The automatic consystem stabilizing the tension of the strip between the stands. The automatic constrol system yielded satisfactory performance data on the 2500 continuous hot-rolling mill, and for the majority of the strip profiles studied, decreased the longitudinal variation in thickness and maintained a more accurate nominal strip thickness than variation in thickness and maintained a more accurate nominal strip thickness than	
	Card 1/2 UDC: 621.771.23:65.011.56	



SHESTERKIN, V.D.

Pavements of river gravel-sand sedimentations processed with bitumen. Avt.dor. 28 no.6:28 Je *65. (MIRA 18:8)

VOLKOV, G.K., assistent; SHESTERKINA, N.V.; OGLOBLIN, H.Ye.; KASYUK, I.I., veterinarnyy vrach

Air ionization increases the sexual activity of bulls. Veterinariia 40 no.9:47-48 S '63. (MIRA 17:1)

1. Moskovskaya veterinarnaya akademiya (for Volkov). 2. Zaveduyushchaya Stupinskoy stantsiyey iskusstvennogo osemeneniya sel'skokhozyaystvennykh zhivotnykh, Moskovskoy oblasti.(for Shesterkina). 3. Starshiy zoetekhnik-laborant Stupinskoy stantsii iskusstvennogo osemeneniya sel'skokhozyaystvennykh zhivotnykh, Moskovskoy oblasti (for Ogloblin).

THE PROPERTY OF THE PROPERTY O

SKRYARENKO, I.P., inzh.; KRIGMAN, F.Ye.; SHESTERMENKOV, V.I.; KOLESNIK, A.F.

Radioluminescent light sources with tritium filling. Svetotekhnika 9 no.8:23-26 Ag '63. (MIRA 16:8)

1. Makeyevskiy institut po bezopasnosti rabot v gornoy promyshlennosti. (Electric lighting) (Lüminescence)

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SHESTERNEY, Q. (Krasnovodsk)

Making the "Grocodile" clamps. Radio no.10:43 0 '57. (MIRA 10:10)

(Radio--Equipment and supplies)

SHESTAKOV, N.F.: SHESTERNIN, M.F.

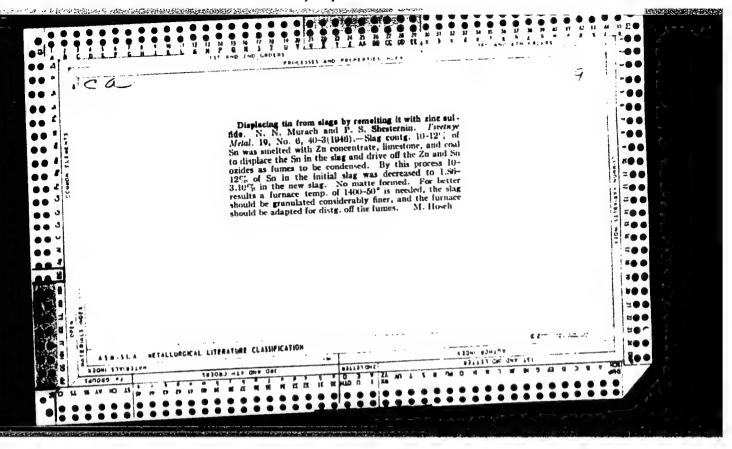
Detachable ball-shaped hammer for excavators used in crushing hard rocks. Rats. i izobr. predl. v stroi. no.79:19-20 '54. (MIRA 8:4) (Excavating machinery)

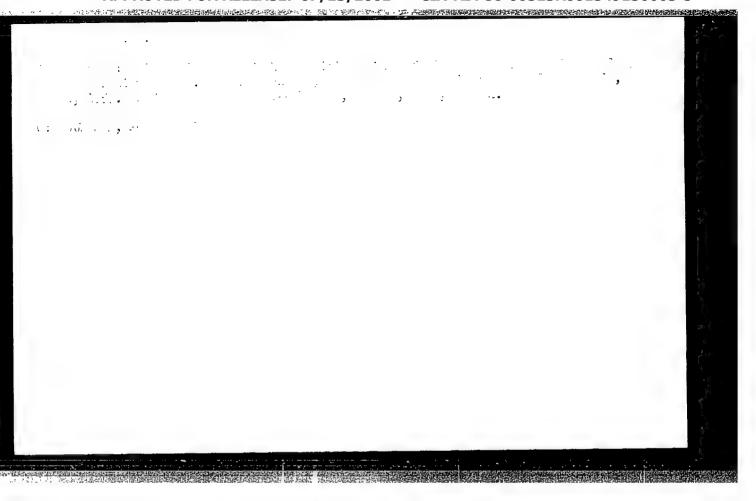
1. ZHEADERRO, V. I.; SHESTERVIN, F. S.

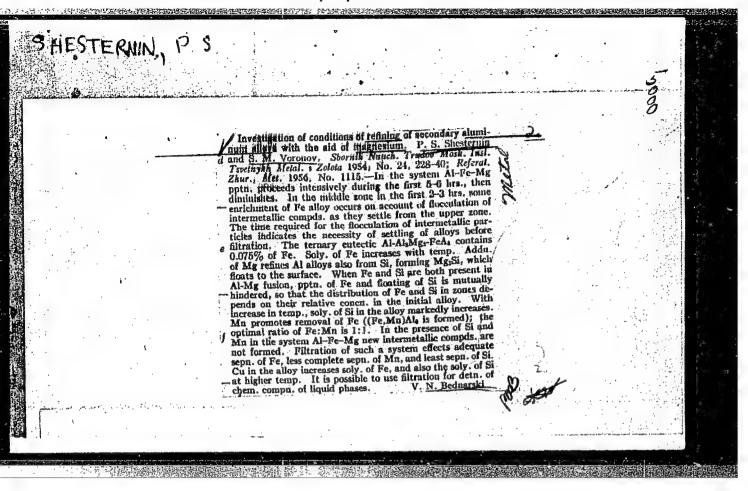
2. BUSH (600)

"Processing of Shaft Fornace Slag at the Moscow Copper-Smelting and Electrolytic Flant imeni Molotov," Tsvet. Met., 14, No. 3, Mar. 1939.

9. Peport B-1506, 4 Oct. 1951.







Vacuum dezincing of brass. TSvet.met. 28 no.6:32-36 N-D '55.

(Brass) (Zinc) (Metallurgical furnaces)

FISHER, A.Ya., kandidat tekhnicheskikh nauk; SHESTERNIN, P.S., kandidat tekhnicheskikh nauk.

Continuous-action unit for the vacuum dezincing of lead. TSvet.met. 29 no.3:15-20 Mr '56. (MLRA 9:7) (Lead--Metallurgy)

SHESTERNIN, P.S., kandidat tekhnicheskikh nauk.

Treatment of oxidized lead tailings and battery scrap in shaft electric furnaces. TSvet. met. 29 no.8:59-68 Ag '56. (MLRA 9:10)

(Lead--Electrometallurgy) (Electric furnaces)

SOV/136-59-2-21/24

AUTHOR:

Istrin, M.

TITLE:

Conference on Secondary Non-Ferrous Metals (Soveshchaniye

为我们是这种是一个人,我们就是一个人。 "我们,你是这一个人,我们就是这种的一种,我们就是这种的一个人,我们就是这种,我们也是是一个人,我们就是一个人,他

po vtorichnym tsvetnym metallam)

PERIODICAL: Tsvetnyye Metally, 1959, Nr 2, pp 85-87 (USSR)

ABSTRACT:

The third conference of the non-ferrous metals economy section of the Permanent Committee on Economic and Scientific and Technical Co-operation in the field of Non-ferrous Metallurgy of the participating nations of the Sovet Ekonomicheskoy Vzaimopomoshchi (Council

for Mutual Economic Aid) was held in Moscow on 9th-20th December 1958. The conference heard and discussed the following reports from representations of the various nations: "Organisation of the Preparation and First Treatment of Non-Ferrous Metal Scrap and Waste"

and First Treatment of Non-Ferrous Metal Scrap and Waste" (S.M.Eydis reported for the USSR); "Production of

Secondary Aluminium-Base Alloys" (Engineer A.A.Gaylit for the USSR); "Production of Secondary Copper-Base Alloys" (V.M.Bazilevskiy, Candidate of Technical Sciences for the USSR); P.S.Shesternin, Candidate of Technical Sciences on

Card 1/3

"Results of Trials of an Electric Shaft Furnace for

SOV/136-59-2-21/24

Conference on Secondary Non-Ferrous Metals

Reclaiming Melting of Lead Scrap and Waste". The consumption of secondary non-ferrous metals in some of the centres represented is half the total consumption. The author tabulates for the various nations 1958 productions as percentages of those for 1953 and planned 1965 productions as percentages of those for 1958 for copper, lead and zinc. He notes that production possibilities are not everywhere being fully utilised. The conference made recommendations for improving the situation and urged especially better scrap collection, storage and preparation. The importance of dust catching to avoid zinc losses was stressed. The formation of a working group to study melting practice for secondary aluminium alloys was urged; for melting copper-base scrap the conference recommended the induction furnace. The next conference of the section was planned for February 1959 in Prague;

Card 2/3

SOV/136-59-2-21/24
Conference on Secondary Non-Ferrous Metals
an exhibition on non-ferrous metals economy was
recommended for that town for June 1959. There is
1 table.

Card 3/3

SHESTERIUM, F.S.

"The Use of Vacuum in the Metallurgy of Secondary Non-Ferrous Metals."

report presented at the Scientific Technical Conference of Workers in Secondary Non-ferrous Metallurgy, Khar'kov, 25-27 January 1961.

。 1. 1000 (1) 1000 (1) 1000 (2) 1000 (2) 1000 (2) 1000 (2) 1000 (2) 1000 (2) 1000 (2) 1000 (2) 1000 (2) 1000 (2

TSYGANOV, Aleksandr Spiridonovich; SHESTERNIN, P.S., kand. tekhn. nauk, retsenzent; FEL'IMAN, I.Ye., inzh., retsenzent; MISHARINA, K.D., red.izd-va; MIKHAYLOVA, V.V., tekhn. red.

[Production of secondary nonferrous metals and alloys; manual for training and raising the qualification of workers] Proizvodstvo verichnykh tsvetnykh metallov i splavov; posobie dlia podgotovki i povysheniia kvalifikatsii rabochikh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 301 p. (MIRA 15:1) (Nonferrous metals-Metallurgy)

GONODETSKAYA, Ye.G; [Horodets'ka, E.H.], prof.; SHESTERNINA, G.A. [Shesternina, H.A.]; YARMOLENKO, H.A.

Exercise therapy in the compound treatment of rheumatism in children. Ped., akush. i gin. 22 no.6:10-12 '60. (MIRA 14:10)

1. Kafedra pediatrii No.2 (zaveduyushchiy - prof. Ye.G.Gorodetskaya [Horodets'ka, E.H.]) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta im. akad.Bogomol'tsa (direktor - dotsent M.N.Umovist).

(EXERCISE'THERAPY) (RHEUMATIC FEVER)

的现在形式,我们就是我们的现在分词,我们就是不是一个人,我们就是这些人,我们就是这些人,我们就是这个人,我们就是我们的人,我们就是我们的人,我们就是我们的人,他 我们是我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我们的人,我们就是我

SADOV, F.I., doktor tekhn.nauk,mrof.; KALININA, K.G., dotsent, kand.tekhn.nauk; SHESTERNINA, G.P., inzh.

Effect of surface-active substances on the dyeability of acetate fibers with dispersions dyes. Izv.vys.ucheb.zav.; tekh.leg.prom. no.1:56-65 '62. (MIRA 15:2)

1. Moskovskiy tekstil'nyy institut (for Sadov, Kalinina). 2. Novo-Noginskaya tkatskootdelochnaya fabrika (for Shesternina). (Dyes and dyeing-Rayon)(Surface-astive agents)

SADOV, F.I., prof.; KALIMINA, K.C., dotsent; Frinimali uchastiye:
SHESTERNINA, P., studentka; KOSTANDI, L.A., student

Role of surface active agents in the dyeing of acetate rayon
fabrics with dispersed dyes. Tekst.prom. 21 no.9:51-53 S '61.
(hra 14:10)

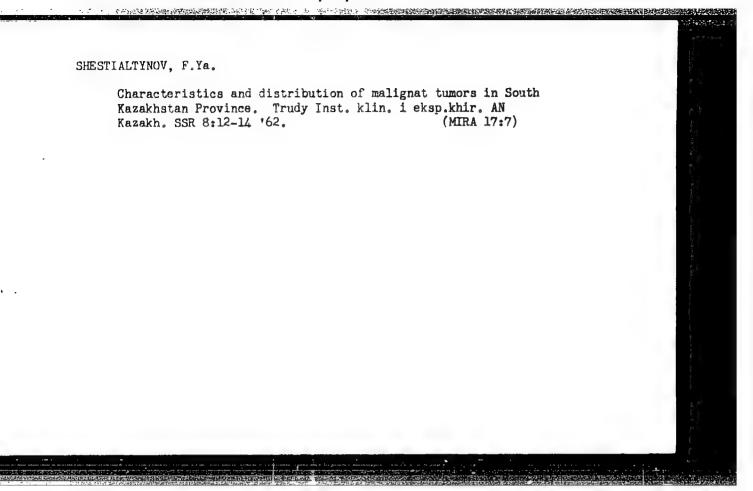
1. Moskovskiy tekstil'nyy institut.
(hyes and dyeing—Rayon)
(Surface—active agents)

KULEV, L.P.; SHESTEROVA, A.A.

Acyl derivatives of barbiturates, hexamidine, and dinhenylhydantoin. Zhur. ob. 31 no.4:1378-1381 Ap '61. (MIPA 14:4)

1. Tomskiy politekhnicheskiy institut.

(Barbituric acid) (Hexamidine) (Hydantoin)



SHESTIALTYNOV, S.I., inzhener. New method of stacking lumber material in a TsNIIMOD-24 dryer. Der. (MIRA 8:1)

1. Rechitskiy mebel'nyy kombinat. (Lumber--Drying)

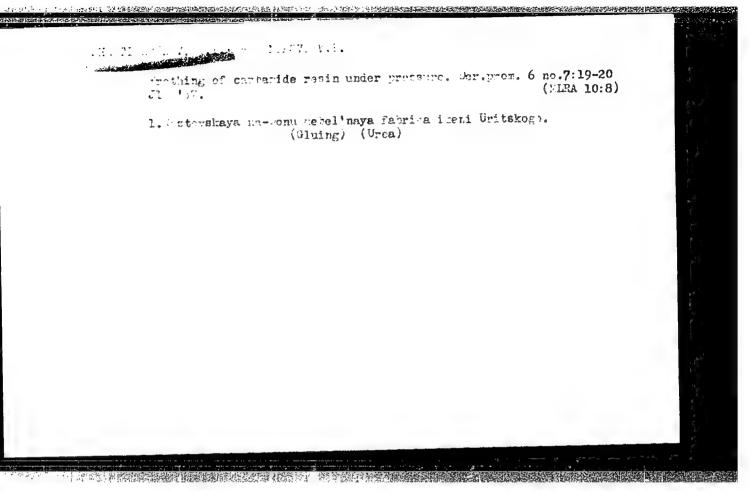
i lesokhim.prom. 3 no.12:22-23 D 154.

CIA-RDP86-00513R001549130003-5" APPROVED FOR RELEASE: 07/13/2001

SHESTIALTYNOV, S.I.; KORENEV, N.I.; GARELIK, Ye.M.; VYATKIN, M.D.

Drying lumber in the chamber-24 produced by the Central Scientific Research Institute fer Machine Weedwerking. Der.prem. 5 me.6:18-19 Je '56.

1.Rechitskiy mebel'may kembinat. (Immber--Drying)



SHESTIALTYNOV, S.I., inzh.

Experimental use of grained paper for facing furniture panels.

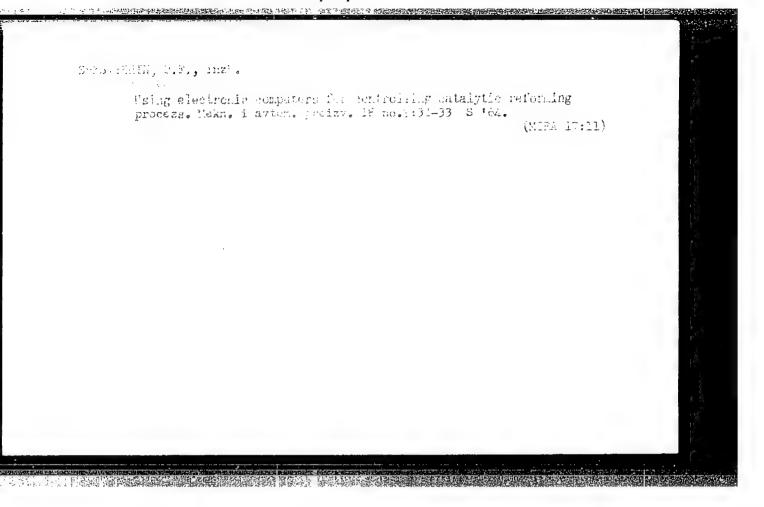
Der.prom. 10 no.2:20-21 F *61. (MIRA 14:3)

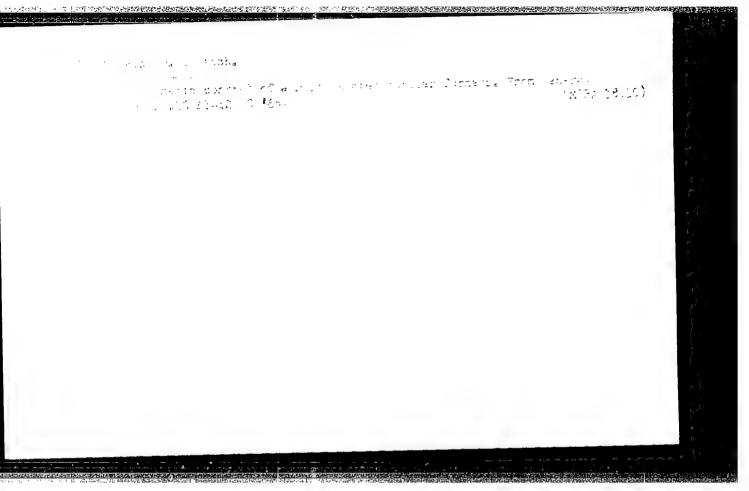
1. Rostovskaya-na-Donu mebel'naya fabrika im. Uritskogo. (Furniture) (Wood finishing)

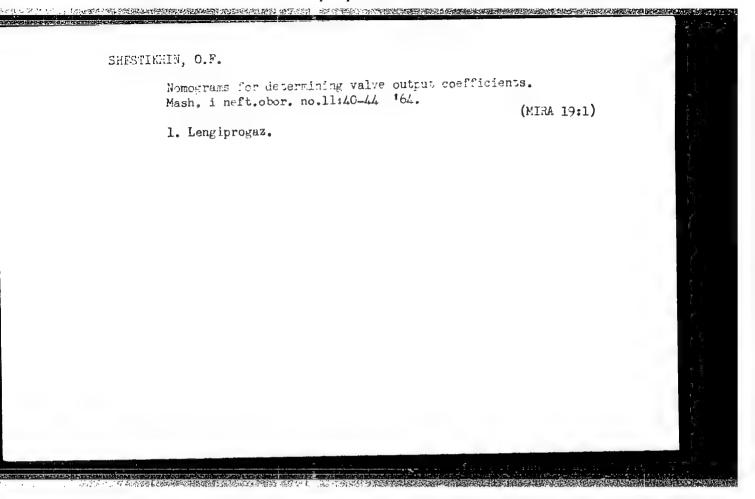
DMITRENKO, P.A.; SHESTIDESYATNAYA, N.Ye.

Effect of liming on soil fertility in Lanscarpathia. Pochyovedenie (MIRA 15:11)

1. Ukrainskiy mauchno-issledovatel'skiy institut zemledeliya. (Transcarpathia—Liming of soils)
(Transcarpathia—Soil fertility)







DABBLANCE, N. .. CHO P. LEGHE HOTE CRYA, F.C.; VERCHARDOVA, T.C.; VIDECHOV, YU.V.;

YYAT VYA, N.C.; GLAZUNGO, I.S.; BENTMAN, R.D.; FLEME MURAYA, N.N.;

KOYOVA, E.G.; KIESHAKOV, N.A., prof.; LAR DHELA, I.P.; LYEKOVA, M.N.;

MALYJOUTA, M.G.; PETUCHEOV, V.N.; RYNKEVA, N.N.; COKOLOV., I.I.;

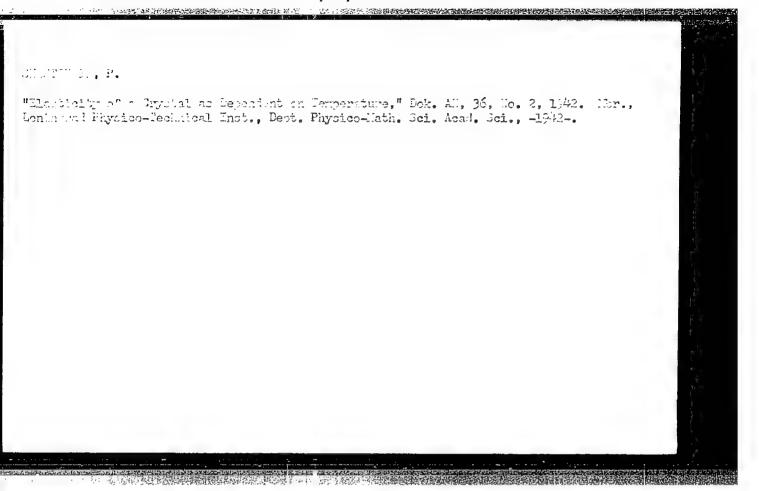
STUDENIKINA, D.A.; CHUSOVA, V.N.; SHECTIKHINA, C.N.; CHOLYATIKOVA,

A.Ya.; SHTOFKEDBERG, YU.M.; BARANOVA, Ye.F., red.

[Acute rectation lesion in ran] Catrala radiateichnata trawma u chefovika. Moskva, Madittina, 1965. 313 p.

(Mina 130)

1. Ohlen-korrespondent AMH JEUR (for Kurshaker).



SULAKOVICH, E. 1., SHESTINKIY, N. N.

Woodworking Machinery

Electric band polishing machine for wood type 1-106. Mekh. stroi. 9 no. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, July 1952. UNCLASSIFIED.

SHESIINSKIY, N. N.

SUDAKOVICH, D.I.; BERNADSKIY, G.I.; PETRUNSKIN, L.P., inzhener, laureat St. linskov premii, retsenzent; SHESTINSKIY, N.N., inzhener, redaktor.

[Mancal on mechanized hand tools] Spravochnik po mekhanizirovannomu ruchnomu instrumentu. Leningrad, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry [Leningradskoe otd-nie] 1954. 335 p. (MLRA 7:6) (Tools)

SERGEYEV, Mikhail Afanas'yevich; SHESTINSKIY, N.N., red.; CHERNOVA, M.S., red.; KONTOROVICH, A.I., tekhn. red.

[Manual of a machinist] Spravochnik slesaria. Pod red. N.N.Shestin-skogo. Leningrad, Lenizdat, 1961. 415 p. (MIRA 14:10) (Machine-shop practice)

SUDAKOVICH, David Isaakovich, inzh.; BERNADSKIY, Georgiy Ivanovich, inzh.; KUZNITSYN, G.I., kand. tekhn. nauk, retsenzent; SHESTINSKIY, N.N., inzh., red.; DUDUSOVA; G.A.red. izd-va; SPERANSKAYA, C.V., tekhn. red.

[Manual on portable power tools] Spravochnik po mekhanizirovannomu ruchnomu instrumentu. Izd.2., dop. i perer. Moskva, Gos.nauchnotekhn. izd-vo mashinostroit. lit-ry, 1961. 335 p. (MIRA 14:6)

(Power tools)

GMESTIPERCY, A. A.

Shestiperov, A. A. -- "Increasing the Effectiveness of Interbreed Hybridization in Swine Husbendry." Min Higher Education USSR, Leningrad Agricultural Inst, Leningrad, 1955 (Dissertation for the Degree of Candidate in Agricultural Sciences)

SO: Knizhnaya Letopis[†], No. 23, Moscow, Jun 55, pp 87-104

SHESTIPEROVA, Z. I.

Some biological characteristics of the common wheat rust (Puccinia graminis Pers.) under conditions prevailing in the northwestern zone. Bot. zhur. 45 no.5:735-737 My '60. (MIRA 13:7)

1. Leningradskiy sel'skokhozyaystvennyy institut, g. Pushkin. (Russia, Northwestern--Wheat rusts)

SHESTIPEROVA, Z. I.

Cand Agr Sci - (diss) "Biological foundation of agrotechnical measures in the battle against stem rust of grain crops under conditions of the North-Western zone." Leningrad, 1961. 20 pp; (All-Union Order of Lenin Academy of Agricultural Sciences imeni V. I. Lenin, All-Union Scientific Research Inst of Plant Protection); 200 copies; price not given; (KL, 5-61 sup, 198)

SHESTITS, Z. [Sestié, Z.] (Zagreb, Yugoslaviya)

Renal pathology in pregnancy. Urologiia no.5:60-61 '61.

(MIRA 14:11)

(KIDNEY-DISEASES) (PREGNANCY, COMPLICATIONS OF)

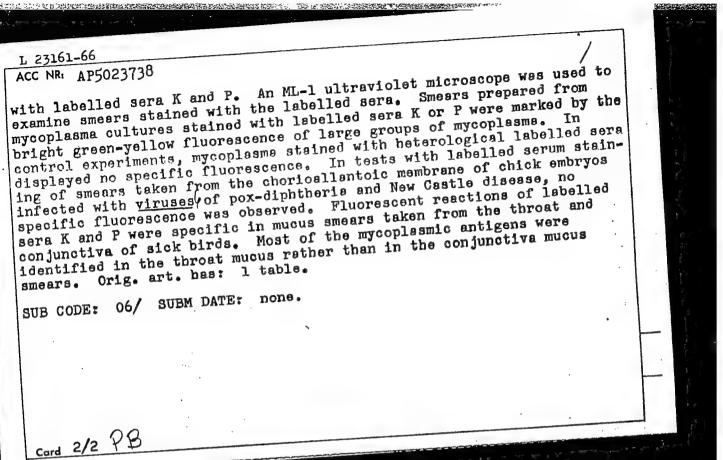
SHESTOCHENKO, M.A.

Detecting Mycoplasma antigens by the use of fluorescent antibodies. Veterinariia 42 no.8:110-111 Ag '65.

(MIRA 18:11)

l. Respublikanskaya nauchno-proizvodstvennaya laboratoriya po bor'be s boleznyami molodnyaka sel'skokhozyaystvennykh zhivotnykh Ministerstva sel'skogo khozyaystva RSFSR.

5101-66 EWT(1)/T ACC NR: AP5023738 SOURCE CODE: UR/0346/65/000/008/0110/0111 AUTHOR: Shestochenko, M. A. ORG: Republic Scientific Production Laboratory for the Control of Young Farm Animal Diseases, Ministry of Agriculture RSFSR (Respublikanskaya nauchno-proizvodstvennaya laboratoriya po bor'be s boleznyami molodnyaka sel'skokhozyay stvennykh zhivotnykh Ministerstvo sel'skogo khozyaystva RSFSR) Identification of a mycoplasmic antigen by means of fluorescent TITLE: antibodies SOURCE: Veterinariya, no. 8, 1965, 110-111 TOPIC TAGS: experiment animal, antigen, antibody, chemical labelling, fluorescence, blood serum ABSTRACT: The specificity of labelled mycoplesmic serum was tested by a fluorescent antibody technique in smears taken from mucous membranes of sick and healthy birds. Immune sera were produced by immunizing rabbits with a Canadian mycoplasmic antigen (K) or a Ukrainian PPLOantigen (P). Following precipitation the sers were labelled with fluorescin. In control experiments heterological antigens were stained Card 1/2 619:616.981.2-097.2:636.5



SHESTOCHENKO, M.A.

Studies of methods for the diagnosis of Q fever in poultry.

Studies of methods for the diagnosis of 4 lever in pouros. Studies of methods for the diagnosis of 4 lever in pouros. MIRA 13:11) Zhur, mikrobiol.epid.i immun. 31 no.9:25-30 S '60. (MIRA 13:11)

1. Iz Vsesoyuznogo instituta eksperimental'noy veterinarii. (Q FEVER) (POULTRY DISEASES AND PESTS)

SHESTOCHENKO, M. A., Cand. Veter. Sci. (diss) "Investigations of Ku-fever of Domestic Fowl," Moscow, 1961, 15 pp. (Moscow Tech. Inst. Meat and Dairy Industries) 180 copies (KL Supp 12-61, 281).

SERBIN, V.I.; BERESNEVICH, P.V.; ANDRYUSHCHENKO, A.V.; DAZOMOV, V.1.; SHESTOKOV, M.M.

Experience in waste stacking in the zones of caving of operaving (MIR4 18:11) mines. Gor. zhur. no.10:41-45 0 '65.

- 1. Institut Krivbassproyekt (for Serbin, Beresnevich, Andryushchenko).
- 2. TSentral'nyy gornoobogatitel'nyy kombinat (for Sazonov, Shestakov).

CIA-RDP86-00513R001549130003-5 "APPROVED FOR RELEASE: 07/13/2001

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c5783 16(1),16(2) Berezovskiy.A.A., and Shestopal, A.F. (Kiyer) 504/41-11-4-9/15 AUTHORS: Integro-Differential Equations for the Local Stability of Flat TITLE: Shells PERIODICAL: Ukrainskiy matematicheskiy zhurnal 1959.Vol 11,Nr 4.pr 434-438 (USSR) According to _Ref 3_7 the examination of stability of flat ABSTRACT: thin shells leads to a certain system of differential equations. Starting from this system. the authors consider two states of equilibrium (an undisturbed and a disturbed state) and formulate

a theorem on the duality of the work with respect to the disturbandes (compare / Ref 2 /). The theorem is used in order to describe the local stability by a system of integro-

differential equations. An approximate equation for the local

stability of the bending is obtained. An example is given.

There are 4 Soviet references.

SUBMITTED: November 25, 1958

Card '/1

CIA-RDP86-00513R001549130003-5" APPROVED FOR RELEASE: 07/13/2001

S/041/60/012/001/001/007 C111/C222

16.7300

AUTHOR: Shestopal, A.F.

TITLE: Application of the Operator Method to Some Problems of the Statics of Cylindrical Shells

PERIODICAL: Ukrainskiy matematicheskiy zhurnal, 1960, Vol.12, No. 1, pp. 55 - 71

TEXT: The author considers the equilibrium of thin cylindrical shells under the influence of single loads. If the problem is treated with the aid of the generalization of the method proposed by B.G. Galerkin for plates then a system of 24 equations must be solved. By application of the operator method the same problem can be reduced to the solution of four algebraic equations.

At first, the single load P acting in the point $Q(\xi, \eta)$ is represented by a (divergent) series

by a (divergent) series

(1.4)
$$q_{\xi \gamma}(x,y) = \frac{2P}{a} \sigma_{1}(y-\gamma) \sum_{k=1}^{\infty} \sin \alpha_{k} \xi \sin \alpha_{k} x$$
,

where $\alpha_k = \frac{k \hat{x}}{a}$ and $\delta_1(y-\gamma)$ is the unit impulse function. Then the Card 1/5

s/041/60/012/001/001/007 0111/0222

Application of the Operator Method to Some Problems of the Statics of Cylindrical Shells

author considers a cylindrical shell being rectangular in plan form the boundaries of which x = 0 and x = a are pin-jointed and the boundaries y = 0 and y = b are supported arbitrarily. The tension F(x,y) and the bending w(x,y) satisfy

$$\nabla^2 \nabla^2 \mathbf{F} = -\frac{\mathbf{E}}{\mathbf{R}} \frac{\partial^2 \mathbf{w}}{\partial z^2}$$

(2.1)

$$D \nabla^2 \nabla^2 w = \frac{h}{R} \frac{\partial^2 F}{\partial x^2} + q \xi_{\mathcal{A}} (x, y)$$

The boundary conditions for x = 0, x = a are satisfied if

$$w(x,y) = \sum_{k=1}^{\infty} w_k(y) \sin \alpha_k x$$
,

(2.2)
$$F(x,y) = \sum_{k=1}^{\infty} F_k(y) \sin \alpha k^x,$$

Card 2/5

S/041/60/012/001/001/007 C111/C222

Application of the Operator Method to Some Problems of the Statics of Cylindrical Shells

where $\alpha_k = \frac{k \, k}{a}$. Considering (1.4) then, for the determination of $F_k(y)$, $w_k(y)$, one obtains two ordinary differential equations each (for every k) to which the transformation of Laplace-Carson is applied. The appearing algebraic image equations can be solved, whereafter, according to the usual formulas, the reverse transformation is carried out. That yields explicit expressions for $w_k(y)$, $F_k(y)$.

According to the same scheme the author calculates a shell pin-jointed at all four boundaries. That leads to four algebraic equations. Then the author constructs the Green's tensor for a closed cylindrical shell. The equilibrium equations with respect to shifts lead to

shell. The equilibrium equations with respect to shifts
$$\frac{\partial^8}{\partial x^8} + 4 \frac{\partial^8}{\partial 6x \partial \phi^2} + 6 \frac{\partial^8}{\partial x^4 \partial \phi^4} + (1 - y^2) a^{-2} \frac{\partial^4}{\partial x^4} + 4 \frac{\partial^8}{\partial x^2 \partial \phi^6} + \frac{\partial^6}{\partial x^2 \partial \phi^4} + 4 \frac{\partial^4}{\partial x^2 \partial \phi^2} + \frac{\partial^8}{\partial \phi^8} + 2 \frac{\partial^6}{\partial \phi^6} + \frac{\partial^4}{\partial \phi^4} + \frac{\partial^4}{\partial x^2 \partial \phi^6} + \frac{\partial^2}{\partial x^2 \partial \phi^6} + \frac{\partial^4}{\partial x^2$$

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S/041/60/012/001/001/007 C111/C222

Application of the Operator Method to Some Problems of the Statics of Cylindrical Shells

(cf. (Ref. 7)), where the shifts u,v,w of the middle surface can be expressed by ϕ . The load is decomposed into components $q = \frac{1}{5} \phi_0$,

(3.9)
$$q_{\xi, \varphi_0}^{j} = \frac{P^{j}}{\kappa R^2} \delta'_{1}(x - \xi) \left[\sum_{k=1}^{\infty} \cos k(\varphi - \varphi_0) + \frac{1}{2} \right].$$

Seeking
$$\phi(x, \varphi)$$
 in the form

(3.10) $\phi(x, \varphi) = \sum_{k=0}^{\infty} \phi_k(x) \cos k (\varphi - \varphi_0)$

then for $\phi_{\mathbf{k}}$ one obtains the equations

Card 4/5

S/041/60/012/001/001/007 C111/C222

Application of the Operator Method to Some Problems of the Statics of Cylindrical Shells

$$\frac{d^{8}\phi_{k}}{dx^{8}} - 4k^{2} \frac{d^{6}\eta_{k}}{dx^{6}} + (1-y^{2})a^{-2} \frac{d^{4}\phi_{k}}{dx^{4}} - 4k^{2} (k^{2}-1) \frac{d^{2}\phi_{k}}{dx^{2}} +$$

(3.11) $+ k^{4}(k^{2}-1)^{2} \phi_{k} = \frac{\sigma_{1}(x-\xi)}{B \kappa a^{2}} P^{3}$

The transformation of Laplace-Carson is applied to these equations. After the determination of ϕ_k the Green's tensor is theoretically found. The

formulas for the calculation of the shifts of the middle surface as well as the characteristic equation, however, are so complicated that the author holds out a prospect of other formulas being more suitable for the calculation in his next paper.

There are 3 figures and 8 Soviet references.

[Abstracter's note: (Ref. 7) concerns A.L. Gol'denveyzer, Theory of

Elastic Thin Shells]

SUBMITTED: March 3, 1959

Card 5/5

THESTOPAL, A. F., Cond. Phys.Moth. Sci. (Bics) "Use of Lothods of Reflections and Integral Transformations in Theory of Elasticity." Kiev, 1861, 5 pp. (Combined Scientific Council of Institutes of Math., Physics, and Metallic Physics) 170 copies (KL SUPP 18-61, 864).

22767 \$/041/61/013/001/006/008 B112/B202

16.3500

Shestopal, A. F.

AUTHOR: TITLE:

Application of the reflection method to certain biharmonic

problems

PERIODICAL:

Ukrainskiy matematicheskiy zhurnal, v. 13, no. 1, 1961,

80-90

The author deals with problems of the bending of rectangular rods by concentrical forces P. These problems are solved by the integration of biharmonic differential equations with boundary conditions of the following three types: ball bearing end, fixed end, and free end. The author bases his studies on the solution $(-P/16\pi)R^2 \ln R^2$ of the biharmonic equation. In the first case (ball bearing end) the author obtains an

influence function of the form: $\frac{P}{4\pi} \int_{-\infty}^{x-\xi} z \ln \frac{R_{-}(z)}{R_{+}(z)} dz$ with $R_{-}(x-\xi) = \cosh \frac{\pi}{b}(x-\xi)$

 $-\cos\frac{\pi}{b}(y-\eta), R_{+}(x-\xi) = \cot\frac{\pi}{b}(x-\xi) - \cos\frac{\pi}{b}(y+\eta). \text{ This expression}$ Card 1/2

5/041/61/013/001/006/008

Application of the ...

can be replaced by the Magnus expansion:

$$\frac{b^2 P}{2\pi^3} \sum_{n=1}^{\infty} \frac{1}{n^3} \left[1 + \beta_n \left| \frac{\xi}{\xi} - \mathbf{x} \right| \right] e^{-\beta n \left| \frac{\xi}{\xi} - \mathbf{x} \right|} \sin \beta_n \gamma \sin \beta_n \mathbf{y} \text{ with } \beta_n = n\pi/b. \quad \text{In the}$$

second case (fixed end) the author obtains the following influence function:
$$\frac{P}{4\pi} \begin{bmatrix} \xi^{-x} \\ \xi^{-x} \end{bmatrix} = \ln \frac{R_{-}(z)}{R_{+}(z)} dz + 2x \xi \ln \frac{R_{-}(x+\xi)}{R_{+}(x+\xi)} \end{bmatrix}.$$
 Similar expressions

occur in a series of further problems, especially expressions of the form: $\sum_{k=-\infty}^{k=-\infty} \left(-1\right)^k \ln \frac{R_-(x-\xi_k)}{R_+(x-\xi_k)}$ which, by means of the theta function:

$$\sum_{k=-\infty}^{\infty} (-1)^k \ln \frac{\frac{n_-(1-j_k)}{R_+(x-j_k)}}{\frac{n_+(x-j_k)}{R_+(x-j_k)}}$$
 which, by means of the theta functions

$$\frac{y_1^{k}(u,q) = 2\sqrt[4]{q} \sin u}{\ln 1} \frac{1}{\ln 1} \left(1 - 2q^{2n}\cos 2u + q^{4n}\right) \left(1 - q^{2n}\right) \text{ are transformed}}{2q^{2n}\cos 2u + q^{4n}\left(\frac{1}{2b}, q\right) \frac{y_1^{k}\left(\frac{z+3}{2b}, q\right)}{2p^{2n}\left(\frac{z+3}{2b}, q\right)} \left(z = x + iy, \frac{y_1^{k}\left(\frac{z-3}{2b}, q\right) \frac{y_1^{k}\left(\frac{z+3}{2b}, q\right)}{2p^{2n}\left(\frac{z+3}{2b}, q\right)}}{2p^{2n}\left(\frac{z+3}{2b}, q\right)} \left(z = x + iy, \frac{y_1^{k}\left(\frac{z+3}{2b}, q\right) \frac{y_1^{k}\left(\frac{z+3}{2b}, q\right)}{2p^{2n}\left(\frac{z+3}{2b}, q\right)}}{2p^{2n}\left(\frac{z+3}{2b}, q\right)} \left(z = x + iy, \frac{y_1^{k}\left(\frac{z+3}{2b}, q\right) \frac{y_1^{k}\left(\frac{z+3}{2b}, q\right)}{2p^{2n}\left(\frac{z+3}{2b}, q\right)}}{2p^{2n}\left(\frac{z+3}{2b}, q\right)} \left(z = x + iy, \frac{y_1^{k}\left(\frac{z+3}{2b}, q\right) \frac{y_1^{k}\left(\frac{z+3}{2b}, q\right)}{2p^{2n}\left(\frac{z+3}{2b}, q\right)}} \right)$$

into expressions of the form: Re
$$\ln \frac{\frac{1}{2b}, q}{\frac{1}{2b}, q} \frac{\frac{1}{2b}, q}{\frac{1}{2b}, q}$$
 (z = x + iy

S/041/63/015/001/009/009 B187/B102

AUTHOR:

Shostopal, A. F. (Kiyev)

TITLE:

Equilibrium of closed cylindrical shells under the action

of concentric forces

PERIODICAL:

Ukrainskiy matematicheskiy zhurnal, v. 15, no. 1, 1963,

106-114

TEXT: The author studied the use of operational calculus for solving some static problems of thin-walled, closed cylindrical plates hinged on the front sides under the action of concentric forces (UMZh, v. 12, no.1, 1960). The solutions obtained there are much simplified in the present paper and are extended to other boundary conditions, namely to various combinations of hinged, tightly clamped and free front sides of the plate. The results expressed by formulas for the different boundary conditions are compiled at the end of the paper. To simplify the results the stress-deformation state is divided into two components: the basic state of stress and the boundary effect. This is possible because the roots λ^2 of the characteristic equation can be classified, according to their Card 1/4

S/041/63/015/001/009/009 B187/B102

Equilibrium of closed cylindrical ...

amounts, into "small" (basic state of stress) and "great" (boundary effect) roots. They can be obtained from very simple equations, the "small" λ_1, λ_2 from

$$\lambda^4 + \frac{a^2}{1 - v^3} \omega^4 (\omega^3 - 1)^3 = 0 \tag{3.2}$$

and the "great" λ_3, λ_4 from

$$\lambda^4 + (1 - v^2)a^{-2} = 0, (3.1),$$

where t is Poisson's ratio, and $a = \frac{1}{\sqrt{12}} \frac{h}{R}$, h being the thickness of the

plate and R the cylinder radius. The original equation is much simplified by suppressing the terms of small order of magnitude, which can be estimated. The results for a hinged cylinder are given as an example: For the displacements u, v, and w:

Card 2/4

S/041/63/015/001/009/009 Equilibrium of closed cylindrical ... B187/B102

$$u = \frac{\sqrt{3} boundary}{\partial x^{\frac{3}{2}}} - \frac{\sqrt{3} basic}{\partial x \partial y^{2}}, \quad v = (2+v) \frac{\partial^{3} boundary}{\partial x^{2} \partial y} + \frac{\sqrt{3} basic}{\partial y^{\frac{3}{2}}},$$

$$w = \frac{\sqrt{4} boundary}{\partial x^{4}} + \frac{\partial^{4} basic}{\partial y^{4}}. \quad (3.7)$$

where

boundary (x) =
$$\frac{ia^3}{2V(1-v^3)^3} \left[\frac{\sinh \lambda_3 (\xi - \bar{l}) \sinh \lambda_2 x}{\lambda_3 \sinh \lambda_3 \bar{l}} - \frac{\sinh \lambda_3 (\xi - \bar{l}) \sinh \lambda_2 x}{\lambda_3 \sinh \lambda_3 \bar{l}} \right] (3.3)$$

and

$$\frac{1}{4} \operatorname{basic}(x, \omega) = \frac{ia}{2\sqrt{1-v^2}} \cdot \frac{1}{\omega^2(\omega^2-1)} \left[\frac{\sinh \lambda_1(\xi-\overline{l}) \sinh \lambda_1 x}{\lambda_1 \sinh \lambda_1 \overline{l}} \right]$$

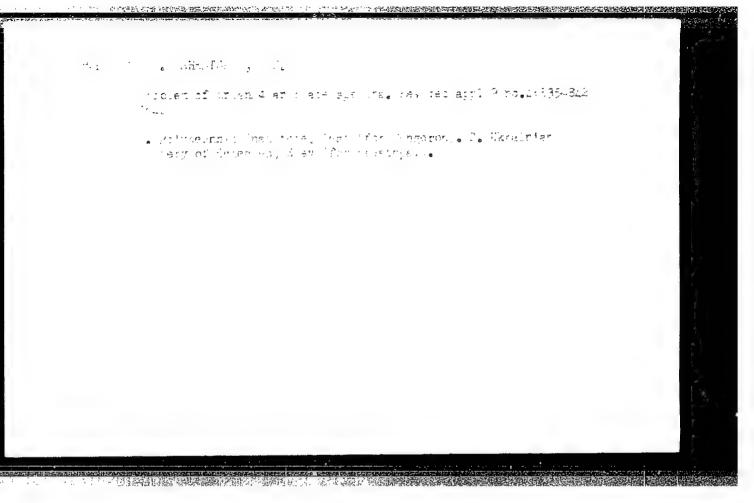
$$- \frac{\sinh \lambda_3(\xi-\overline{l}) \sinh \lambda_2 x}{2\sinh \lambda_1 \overline{l}} ,$$
(3.3)

 $\frac{-\sinh\lambda_{2}(\xi-\bar{l})\sinh\lambda_{2}x}{\lambda_{2}\sinh\lambda_{2}\bar{l}}\Big],$ x and f are the dimensionless cylindrical coordinates of the central plane of the plate, f is the application coordinate of the concentric forces.

Card 3/4

Equilibrium of closed cylindrical ... S/041/63/015/001/009/009 and ℓ the length of the cylinder. $\psi_{(x)}^{\text{boundary}}$ is independent of ω . SUBMITTED: May 10, 1961

Card 4/4



MARTHER (N. D. [Mangeron, P.]; SHESTOPAL, A.F.

Contribution to the problem of applications of the Green Functions. Pt. 1. Rev math Roum 9 no.9:863-875 '64.

1. Polytechnic Institute, Wasi (for Mangeron). 2. Academy of Sciences of the W.R.S.R., Kiev (for Shestopal).

ACCESSION NR: AP4042090

R/0006/64/015/002/0289/0296

AUTHOR: Mangeron, D., Sestopal, A. F. (Shestopal, A.F.)

TITLE: The problem of the spectra of triangular plates

SOURCE: Studii si cercetari de mecanica aplicata, v. 15, no. 2, 1964, 289-296

TOPIC TAGS: Green function, triangular plate, vibrating system, characteristic oscillations

ABSTRACT: Starting from results published earlier, the authors develop the Green functions corresponding to linear operators with partial derivatives in series of fundamental solutions, determining the characteristic values (spectrum) and characteristic functions of plates in the shape of equilateral triangles or of triangles resulting by the division of an equilateral triangle into two equal parts. The mathematical derivation is shown to consist essentially of analysing a known differential system as defined by

 $\nabla^* \nabla^* w - \lambda^* w = 0.$

(1)

and

Card 1/3

"APPROVED FOR RELEASE: 07/13/2001

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ACCESSION NR: AP4042090

$$w \bigg|_{s} = 0, \quad \frac{\mathrm{d}^{s} w}{\mathrm{d} n^{s}} \bigg|_{n} = 0, \tag{2}$$

Using the differential operator

$$\nabla^a \nabla^a - \lambda^a, \tag{3}$$

it is shown that the Green function has the form

$$+\frac{8}{9\sqrt{3}a^{2}}\sum_{k,n=1}^{\infty}\frac{1+\cos(n-k)\pi}{\frac{4n^{2}\pi^{2}}{9a^{2}}+\frac{4k^{2}\pi^{2}}{3a^{4}}-\lambda^{2}} +\psi_{kn}^{i}(x_{1},x_{2})\psi_{kn}^{i}(\xi,\eta)+$$

$$+\psi_{kn}^{i}(x_{1},x_{2})\psi_{kn}^{i}(\xi,\eta), \qquad (16)$$

Applying these results to plates obtained by dividing equilateral triangles into equal halves leads to characteristic values

Card 2/3

ACCESSION NR: AP4042090

$$v_{kn}^{z} = \left(\frac{4 n^{2} \pi^{2}}{9 n^{2}} + \frac{4 k^{2} \pi^{2}}{3 n^{2}}\right)^{z}, \tag{22}$$

and characteristic solutions

$$[1 + \cos(n - k) \pi] [\psi_{i*}^*(x_1, x_2) - \psi_{k*}^*(a - x_2, x_2)]$$
 (23)

and

$$[1 + \cos(n - k) \pi] [\psi_{in}(x_i, x_i) - \psi_{in}(n - x_i, x_i)].$$
 (24)

ASSOCIATION: none

SUBMITTED: 05Nov65

ENCL: 00

SUB CODE: MA, GP

NO REF SOV: 005

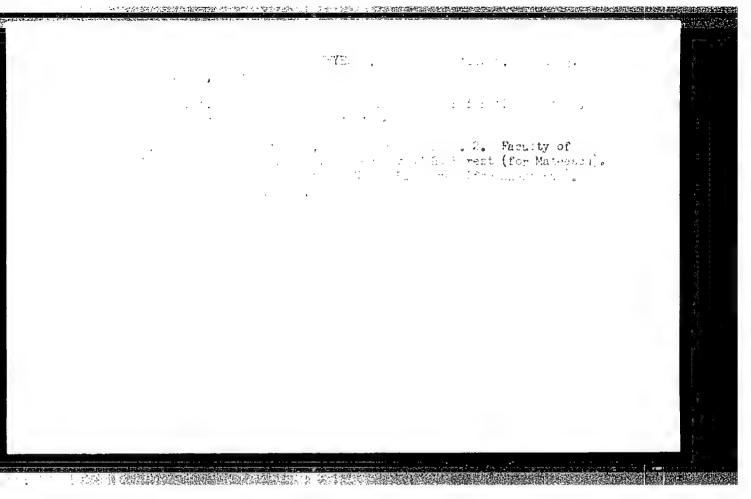
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Card 3/3

MANGERON, B.; deprovat, A. F. [Sheatopal, A. F.]

Cantributions to the stray of Green's functions. Studic cere mat to 20.0 722 739 -64.

L. Edysechair Institute, last (for Mangerons. 2. Academy of School of the Grainian S. S. R. (for Mestepal).



Simpler and more accurate. Nauka i pered.op. v sel'khoz. 7 no.2:69

F *57. (MIRA 10:3)

1. Glavnyy agronom Nemirinetskoy Mashinno-traktornoy stantsii, Khmel'nitskoy oblasti.

(Collective farms--Accounts)

L 31904-66 EWT(1) JM ACC NR: AP6010722 SOURCE CODE: UR/0142/66/009/001/0052/0058

AUTHOR: Sovetov, N. M.; Shestoperov, A. N.

ORG: none

TITLE: Linear theory of the relativistic TW tube

SOURCE: IVUZ. Radiotekhnika, v. 9, no. 1, 1966, 52-58

TOPIC TAGS: TW INTER SHE TRAVELING WAVE TUBE, NONLINEAR EQUATION

ABSTRACT: It is claimed that one of the D. Rowe fundamental TW-tube nonlinear equations contains "a number of inaccuracies." This equation is claimed to be

more accurate: $\left[\frac{\partial^2}{\partial t^3} - v_0^2 \frac{\partial^2}{\partial z^3} + 2\omega Cd \frac{\partial}{\partial t}\right] V(z,t) = Kv_0 \left|\frac{\partial^2}{\partial t^3} + \omega Cd \frac{\partial}{\partial t}\right| \rho(z,t)$. It differs from

the Rowe equation in these respects: (1) No factor 2 in the second term of the right-hand member; (2) The attenuation parameter d is not equal to the Pierce

Card 1/2

UDC: 621.385.632

SHESTOPAL, A. O.

Shestopal, A. O. and Shestakov, V. M. - "Leaks and the appearance of washouts in hydrotechnical equipment", Sbornik trudov Studench. nauch.-tekhn. o-va (Mosk. inzh.-stroit. in-t im. Kuybysheva), Moscow, 1949, p. 41-43.

SO; U-411, 17 July 53, (Letopis 'Zhurnal 'nykh Statey, No. 20, 1949).

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- 2. USSR (600)
- 4. Concrete Construction
- 7. Observing the settling of earth and concrete structures, Eng. Gidr.stroi. 2 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

MEDVEDEV, S.R., inzhener; SHESTOPAL, A.O., inzhener.

Constructing a cellular grooved pile enclosure with the use of a vibration pile driver. Gidr.stroi. 22 no.11:1-6 N-D '53. (MLRA 6:11) (Pile driving)

MEDVEDEV, S.R., inzhener; SHESTOPAL, A.O., inzhener

Automatic deep water drainage in the Stalingrad Hydroelectric
Power Station project. Mekh.trud.rab. 9 no.5:30-34 My '55.
(MLEA 8:7)

(Stalingrad Hydroelectric Power Station --Hydraulic machinery)

SHESTOPAL, Aleksandr Osipovich, inzh.; FUKSON, M.M., kand.tekhn.nauk, retsenzent; SHESTAKOV, V.M., kand.tekhn.nauk, retsenzent; ENGEL', F.F., inzh., retsenzent; PETROV, G.D., inzh., nauchnyy red.; ORLOV, A.G., inzh., nauchnyy red.; MAR'YANSKIY, L.M., inzh., red.; AKULOV, D.A., tekhn.red.

[Using hydraulic methods in submerging pipes, piles, and pile planks] Gidravlicheskoe pogruzhenie trub, svai i shpunta.

Moskva, Gidroproekt, 1959. 67 p. (MIRA 13:6)

(Pipelines) (Piling (Civil engineering))

10(4)

Shestopal, A.O., Engineer

AUTHOR:

Research into Lowering Tubes and Piles by the Wash-TITLE:

out Method

Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 9, PERIODICAL:

pp 42-43 (USSR)

507/98-59-9-12/29

ABSTRACT:

The author gives results of laboratory experiments and field tests on lowering tubes by the washout method. The field tests have been carried out by drilthod. ling more than 400 ground-water lowering wells at the foundation pit of the Stalingrad GES. The tests enabled preparing of an empiric formula and 2 appropriate nomograms (Fig 3) which show the ratio between the quantities of water consumed in the washing out process, the diameter of the tube placed, average diameter of ground particles, penetration of tube, coefficient of ground permeability and level of ground water. The tests indicated that the most washed part of the sinking funnel is located at the deepest point

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Research into Lowering Tubes and Piles by the Washout Method

of the lowered tube. The relation between the undisturbed and washedout, changed density of ground could not be obtained by penetration tests; the density in generally was decreased by the washout process, but in some wells it was also increased. There are 2 diagrams and 2 sets of graphs.

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SHESTOPAL, A. O. Cand Tech Sci — (diss) "Experimental research on hydraulic sinking of pipes and piles in sandy soils," Moscow, 1960, 14 pp, 160 cop. (Moscow Engineering Construction Institute im B.B. Kuybyshev) (KL, 42-60, 115)

LYAP-ROV, A.A. (Moscow); ShESTOPAL, G.A. (Moscow)

Elementary information on the solution of problems by electronic calculating machines. Mat. pros. no.1:57-74 '57. (MIRA 11:7)

(Electronic calculating machines)

SHESTOPAL, G.A. [translator]

Motivation for working in numerical analysis. Translated from the English by G.A. Shestopal. Mat. pros. no.1:75-86 '57. (MIRA 11:7) (Mathematical analysis) (Todd, J.)

LYAPUNOV, A.A. (Moscow); SHESTOPAL, G.A. (Moscow)

Algorithmic description of control processes. Mat. pros.no.2:81-95 157.

(MIRA 11:7)

(Gybernetics)

SHESTOPAL, G.: LIAPUNOV, A.

"First principles of solving problems on electronic computers"

Fiziko-Matematichesko Spisanie. Sofiia, Bulgaria. Vol. 1, no. 3/4, 1958

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclas

KHAIMOSH, P.R. [Halmos, P.R.] (SShA); VARPAKHOVSKIY, F.L. [translator];
SHESTOPAL, G.A. [translator]
Nicolas Bourbaki. Mat. pros. no.5:229-239 160. (MIRA 13:12)
(France—Mathematics)

KAGAN, Veniamin Fedorovich [1869-1953]; SHESTOPAL, G.A [translator]; BRON-SHTEYN,I.N. [translator]; LOPSHITS,A.M., red.; KASHEVSKIY, P.K., red.; LAPKO, A.F., red.; KRYUCHKOVA, V.N., tekhn. red.

[Subprojective spaces] Subproektivnye prostranstva. Moskva, Gos. izdvo fiziko-matem. lit-ry, 1961. 218 p. (MIRA 14:6)

(Projection) (Spaces, Generalized)

28662

16.0200

5/020/61/140/002/007/023 C111/C444

AUTHOR:

Shestopal, G. A.

TITLE:

On the number of the simple bases of Boole's functions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 140, no. 2, 1961,

314-317

TEXT: A base is called simple, if none of the functions contained in it can be replaced with aid of identification of any of its variables by one or more functions of a smaller number of variables such that the system of functions obtained that way remains complete.

Considered is the question concerning the number of all simple bases.

First of all it is shown (theorem 1) that a simple base can only consist of simple functions; a simple function is understood to be a furction possessing at least one of the properties mentioned in the theorem of Post (on the necessary and sufficient conditions for the completeness of a system of functions), yet losing this property under arbitrary identification of its variables. Then it is shown that the number of simple functions is finite, this being the fact out of which it follows the basic theorem: There exists a finite number of Card 1/7

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On the number of the simple bases . . . C111/C444

simple bases. By combination of the simple functions one obtains the following complete table of the 48 simple bases:

Simple bases

- I. Bases, consisting of one function
- 4, x1 " x2
- 1. X1 V x2
- II. Bases, consisting of two functions
- 3.-8. 1.) a) x₁x₂;

 - b) $x_1x_2 + x_1x_3 + x_2x_3 + x_1;$ c) $x_1x_2 + x_1x_3 + x_2x_3 + x_1 + x_2 + x_3;$
 - 2.) a) \overline{x} ;
 - b) 1.

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28662 \$ /020/61/140/002/007/023 On the number of the simple bases . . . C111/C444 9. - 14. 1.) a) $x_1 \sqrt{x_2}$; b) $x_1x_2 + x_1x_3 + x_2x_3 + x_1 + 1;$ c) $x_1x_2 + x_1x_3 + x_2x_3 + x_1 + x_2 + x_3 + 1.$ 2.) a) x; ъ) О. 1.) a) $x_1x_2 + x_1x_3 + x_2x_3 + 1;$ b) $x_1x_2 + x_1x_3 + x_2x_3 + x_1 + x_2 + 1;$ 15, - 22. 2.) a) 0; b) 1; c) x₁x₂; d) $x_1 \vee x_2$. 1.) a) x₁x₂; 23 . - 24. b) $x_1 \vee x_2$; Card 3/7 2.) x

THE SPECIAL PROPERTY OF THE PROPERTY PROPERTY PROPERTY OF THE 28662 S/020/61/140/002/007/023 C111/C444 On the number of the simple bases ... III. Bases, consisting of three functions 25. - 34. 1.) a) $x_1x_2x_3 + x_1x_2 + x_1x_3 + x_2x_3 + x_1$; b) $x_1x_2x_3 + x_1x_2 + x_1x_3 + x_1 + x_2$ c) $x_1x_2x_3 + x_1x_2 + x_1x_3 + x_2x_3$; d) $x_1x_2x_3 + x_1x_2 + x_1 + x_2 + x_3$; e) $x_1x_2x_3 + x_1x_2 + x_1$; f) $x_1 x_2 x_3 + x_1 + x_2$; $(s) x_1x_2 + x_1x_3 + x_1 + x_2 + x_3;$ h) $x_1x_2 + x_1x_3 + x_1;$ i) $x_1x_2 + x_2 + x_3$; y) $x_1x_2 + x_1x_3 + x_2$ 2.) 0; 3.) 1. Card 4/7